

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all previous versions and listings of claims in this application.

Claim Listing:

1. (Currently amended) A method of registering a multimode mobile station in a telecommunications system, wherein the telecommunications system comprises a home location register for maintaining mobile subscriber data and supports a first network and a second network of a different type, the method comprising:

in the home location register, maintaining the mobile subscriber data and receiving, from another network element, a message for requesting the mobile subscriber data, the mobile subscriber data comprising address information for accessing the mobile subscriber via the first and the second network of the different type;

the home location register maintaining a subscriber-specific access parameter which indicates, independently of the address information, whether the mobile subscriber has access rights to the first network and/or the second network of the different type;

wherein the first network and second network are provided by a common operator, ~~and the first network and second network are of different type~~; and

in response to said message for requesting the mobile subscriber data, the home location register ~~sending~~ sends the mobile subscriber data and also said subscriber-specific access parameter;

~~whereby~~ wherein the network element that requested the mobile subscriber data is operable to use said subscriber-specific access parameter for restricting the ~~access~~ location updating of the mobile ~~subscriber station~~ only to the first network or to the second network of the different type.

2. (Currently amended) A method of registering a multimode mobile station in a telecommunications system, wherein the telecommunications system comprises a home location

register for maintaining mobile subscriber data and supports a first network and a second network of a different type, wherein the first network and second network are provided by a common operator, ~~and the first network and second network are of different type~~, the mobile subscriber data comprising address information for accessing the mobile subscriber via the first and the second network and a subscriber-specific access parameter indicating, independently of the address information, whether the mobile subscriber has access rights to the first network and/or the second network of the different type, the method comprising:

sending from another network element to the home location register a message for requesting the mobile subscriber data, the mobile subscriber data comprising said subscriber-specific access parameter indicating, independently of the address information, whether the mobile subscriber has access rights to the first network and/or the second network of the different type;

the network element that requested the mobile subscriber data using said subscriber-specific access parameter to restrict ~~the access a location update of the mobile subscriber station~~ only to the first and/or the second network of the different type.

3. (Previously Presented) A method according to claim 1, wherein the mobile subscriber's access can be restricted only to one network even though a short message service had been defined for the mobile subscriber.

Claims 4-5: (Cancelled).

6. (Previously Presented) A method according to claim 1, wherein the telecommunications system comprises a visitor location register; and

when the mobile station is in the area of the visitor location register and receives a call or a short message and the visitor location register does not have data of the mobile subscriber, said subscriber-specific access parameter is used for restricting paging of the mobile station only to a network which the mobile subscriber has access rights to.

7. (Previously Presented) A method according to claim 1, wherein the first network is a circuit-switched network and the second network is a packet-switched network and wherein

one mode of the multimode mobile station supports the circuit-switched network and another mode supports the packet-switched network.

8. (Currently amended) A home location register configured to operate in a telecommunications system that supports multimode mobile stations and which comprises a first network and a second network of a different type, the first and second networks being provided by a common operator, the home location register comprising:

~~a computer-readable storage medium configured to store:~~

a processor; and

a memory operatively connected to the processor and configured to store ~~a) mobile subscriber data for registering a multimode mobile station in a telecommunications system which supports a first network, a second network, and multimode mobile stations, the mobile subscriber data comprising address information for accessing the mobile subscriber station via the first and the second network; and~~

~~b) a subscriber-specific access parameter which indicates, independently of the address information, whether the a mobile subscriber to whom the mobile station has been registered has access rights to the first network and/or the second network of the different type;~~

~~wherein the first network and second network are provided by a common operator, and the first network and the second network are of different type~~

wherein the processor is configured to receive, from another network element, a location update message for the mobile station and to send the mobile subscriber data and said subscriber-specific access parameter as a response to said location update message.

9. (Previously Presented) A home location register according to claim 8, wherein the first and second networks share a common home location register.

10. (Cancelled).

11. (Previously Presented) A home location register according to claim 8, wherein the first network is a circuit-switched network and the second network is a packet-switched

network and wherein one mode of the multimode mobile station supports the circuit-switched network and another mode supports the packet-switched network.

12. (Cancelled).

13. (Previously Presented) A method according to claim 2, wherein the first network is a circuit-switched network and the second network is a packet-switched network and wherein one mode of the multimode mobile station supports the circuit-switched network and another mode supports the packet-switched network.

14. (Cancelled)

15. (Currently amended) A network element ~~for~~ configured to operate in a telecommunications system which supports a first network, and a second network of a different type, and multimode mobile stations, wherein the telecommunications system comprises a home location register for maintaining mobile subscriber data for registering a multimode mobile station in the telecommunications system, the mobile subscriber data comprising address information for accessing the mobile subscriber via the first and the second network and a subscriber-specific access parameter indicating, independently of the address information, whether the mobile subscriber has access rights to the first network and/or the second network of the different type, the network element comprising:

~~means for sending~~

a processor configured to:

send, to the home location register, a message for requesting the mobile subscriber data,
~~the mobile subscriber data comprising said subscriber-specific access parameter indicating,~~
~~independently of the address information, whether the mobile subscriber has access rights to the~~
~~first network and/or the second network~~ location updating of the mobile station;

receive the mobile subscriber data and said subscriber-specific access parameter as a
response to said message;

~~means for using~~ use said subscriber-specific access parameter to restrict the access
location updating of the mobile subscriber station only to the first and/or the second network;

wherein the first network and second network are provided by a common operator; ~~and the first network and the second network are of different type.~~

16. (Previously Presented) A network element according to claim 15, wherein the first and second networks share a common home location register.

17. (Previously Presented) A network element according to claim 15, wherein the first network is a circuit-switched network and the second network is a packet-switched network and wherein one mode of the multimode mobile station supports the circuit-switched network and another mode supports the packet-switched network.

18. (New) A method of registering a multimode mobile station in a telecommunications system, wherein the telecommunications system comprises home location register for maintaining mobile subscriber data and supports a first network and a second network of different type, the method comprising:

at the home location register, maintaining the mobile subscriber data and receiving, from another network element, a message for requesting the mobile subscriber data, the mobile subscriber data comprising address information for accessing the mobile subscriber via the first and the second network of different type;

the home location register maintaining a subscriber-specific access parameter which indicates, independently of the address information, whether the mobile subscriber has access rights to the first network and/or the second network of different type;

wherein the first network and second network are provided by a common operator; and

in response to said message for requesting the mobile subscriber data, the home location register sending the mobile subscriber data and also said subscriber specific access parameter;

wherein the network element that requested the mobile subscriber data is operable to use said subscriber-specific access parameter for restricting paging of the mobile station only to the first network or to the second network of different type.

19. (New) A method of registering a multimode mobile station in a telecommunications system, wherein the telecommunications system comprises a home location

register that maintains mobile subscriber data and supports a first network and a second network of a different type, wherein the first network and the second network are provided by a common operator, the mobile subscriber data comprising address information for accessing the mobile subscriber via the first and the second network and a subscriber-specific access parameter indicating, independently of the address information whether the mobile subscriber has access rights to the first network and/or the second network of different type, the method comprising:

 sending from another network element to the home location register a message for requesting the mobile subscriber data, the mobile subscriber data comprising said subscriber-specific access parameter indicating, independently of the address information whether the mobile subscriber has access rights to the first network and/or the second network of the different type;

 the network element that requested the mobile subscriber data using said subscriber-specific access parameter to restrict paging of the mobile station only to the first and/or the second network of different type.

20. (New) A home location register configured to operate in a telecommunications system which supports multimode mobile stations and which comprises a first network and a second network of a different type, the first network and second network provided by a common operator, the home location register comprising:

 a processor; and

 a memory structured to store mobile subscriber data for registering a multimode mobile station, the mobile subscriber data comprising address information for accessing the mobile station via the first and second network, and a subscriber-specific access parameter which indicates, independently of the address information, whether a mobile subscriber to whom the mobile station has been registered has access rights to the first network and/or the second network of different type;

 the processor being configured to receive, from another network element, a message for restoration of the mobile subscriber data and to send the mobile subscriber data and said subscriber-specific access parameter to the network element in response to said message.

21. (New) The method of claim 18, wherein the first network is a circuit-switched network and the second network of the different type is a packet-switched network.